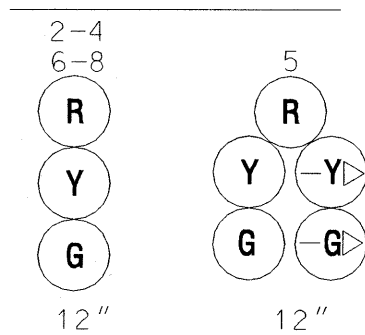
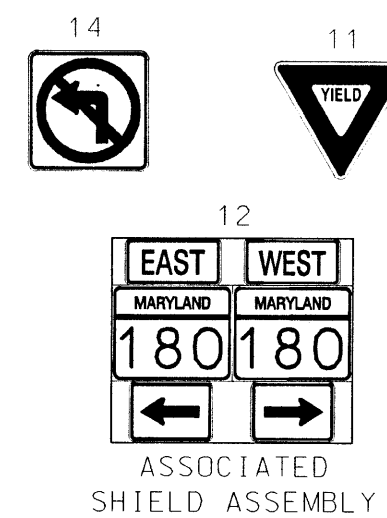
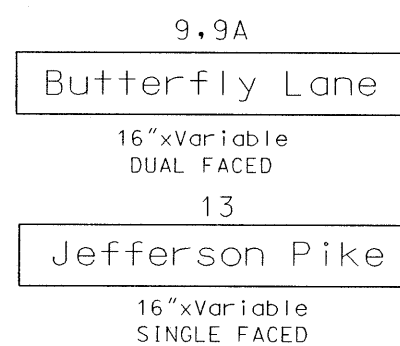


# EXISTING SIGNALS



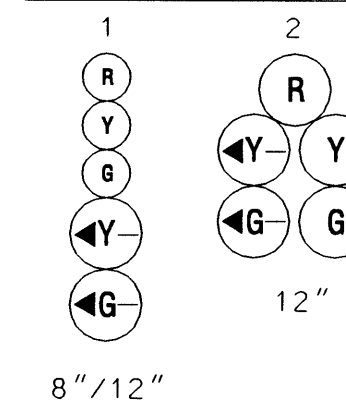
ALL EXISTING SIGNAL HEADS TO BE REPLACED AS NOTED ON PLANS

# EXISTING SIGNS



ASSOCIATED SHIELD ASSEMBLY

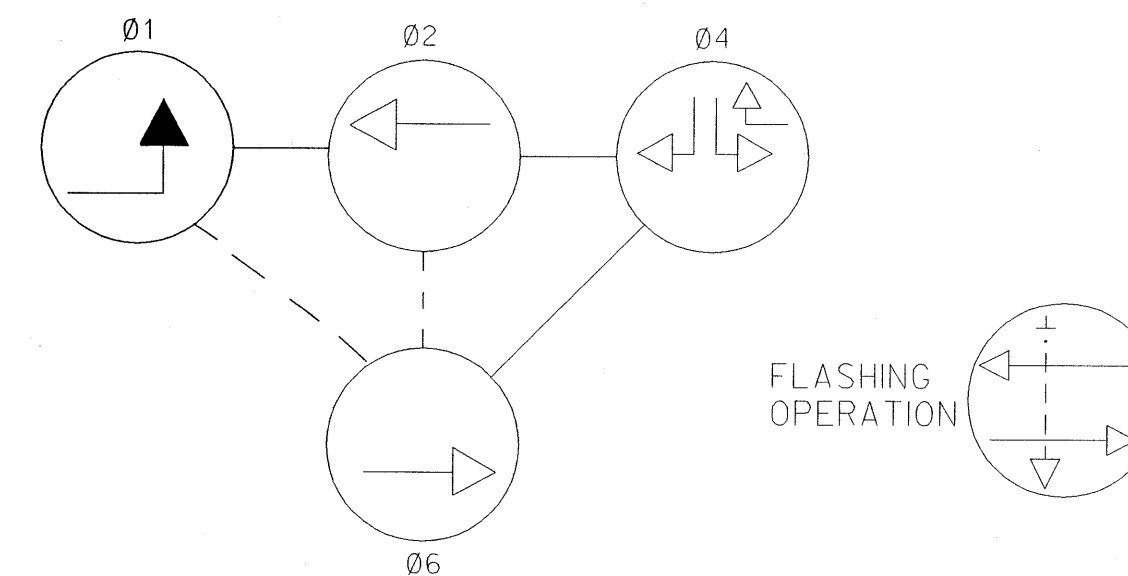
# PROPOSED SIGNALS



# PROPOSED SIGNS



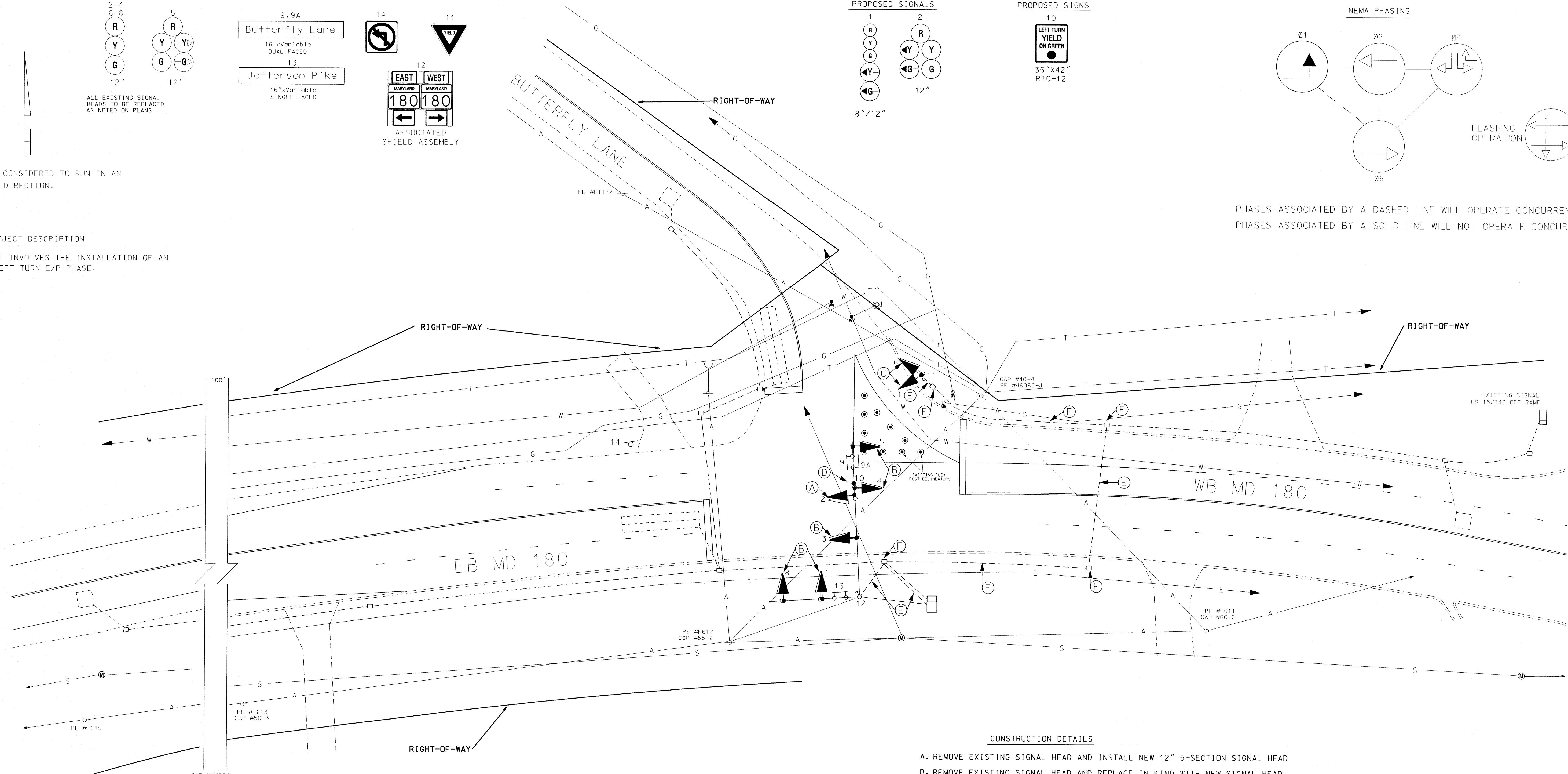
# NEMA PHASING



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

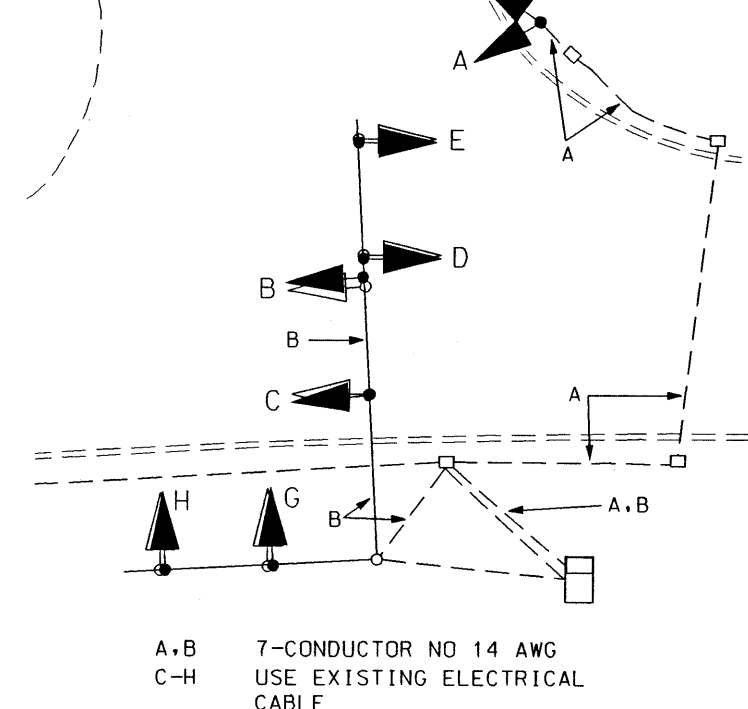
# PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF AN EASTBOUND LEFT TURN E/P PHASE.



# WIRING DIAGRAM

NOT TO SCALE



# CONSTRUCTION DETAILS

- REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW 12" 5-SECTION SIGNAL HEAD
- REMOVE EXISTING SIGNAL HEAD AND REPLACE IN KIND WITH NEW SIGNAL HEAD
- REMOVE EXISTING PEDESTAL POLE MOUNTED SIGNAL HEAD. INSTALL NEW 12" 3-SECTION SIGNAL HEAD AND ONE 8"X12" 5-SECTION VERTICALLY ARRANGED SIGNAL HEAD ON EXISTING PEDESTAL POLE. SIGNAL HEADS SHALL BE MOUNTED ON TOP OF POLE ON TWIN ARM MOUNTING BRACKET.
- INSTALL PROPOSED R10-12 SIGN ON EXISTING MAST ARM
- USE EXISTING CONDUIT
- USE EXISTING HANDBOX

# PROJECT CONTACTS

MR. RICHARD DAFF, CHIEF  
TRAFFIC OPERATIONS DIVISION  
410-787-7630

MR. JOHN CONCANNON  
ASST. DIST. ENG. -TRAFFIC  
301-624-8140

MR. SONNEY BAILEY, SUPERVISOR  
SIGN OPERATIONS SECTION  
410-787-7670

MR. ED RODENHIZER, SUPERVISOR  
SIGN OPERATIONS SECTION  
410-787-7650

# A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM #	QUANTITY	ITEM DESCRIPTION
9571	10.5 SF	(UPDATED) SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN - 1 EA 36"X42" R10-12 MAST ARM MOUNTED

# B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR

ITEM #	QUANTITY	ITEM DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8014	1 EA	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT-PER ASSIGNMENT
8048	10.5 SF	INSTALL OVERHEAD SIGN
8070	3 EA	8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8071	25 EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8080	400 LF	ELECTRICAL CABLE-7-CONDUCTOR NO 14AWG

# C. EQUIPMENT TO BE RETURNED TO THE ADMINISTRATION

NONE. ALL EQUIPMENT THAT IS REMOVED ACCORDING TO THESE PLANS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

# UTILITY LEGEND

G — G — GAS MAIN  
W — W — WATER MAIN  
S — S — SEWER MAIN  
E — E — ELECTRIC CABLES  
A — A — AERIAL CABLES  
T — T — TELEPHONE CABLES

REVISIONS	APPROVALS
1. INSTALL EASTBOUND E/P PHASE TIMS #760 AT3585185 8/03 CJS 10/12/1995	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 180 @ BUTTERFLY LANE  
TRAFFIC SIGNAL PLAN

DRAWN BY: BA AND ASSOC.	F.A.P. NO. STPG-000S(300)E	TS NO. 3549-A
CHECKED BY: JRL/MAR	S.H.A. NO. AW 794-469-785	T.I.M.S. NO. N/A
SCALE: 1:20	COUNTY: FREDERICK	
DATE: 10/1995	LOG MILE: 10018014.31	

SHEET NO. OF